

The first term project

SE323 Software Construction, Testing and Maintenance

Instruction

You have to set up a group of 4 people. You have to define all of the artifacts of the software developments. The artifacts should be at least this document.

- Use case diagram
- Class diagram
- Sequence diagram
- The method design
- The traceability matrix
- Unit Test case
- Acceptance test
- User manual

This project is the co-project with the SE331 Component based software development course. Feel free to use the same source code to apply with the artifact in this course.

The Requirement

Your group will be assigned to develop the web application for temples in Chiang Mai. You have to interview the person who response for the web application in each temple. The web application should have at least but not limited to these features

1. The static page which show the temple history architecture and current activities. These contents you have to provide the administration page which the temple staffs can update all the details by themselves.
2. Adding the registered member of the temple, the member can receive the news from the temple via the registered e-mail. In addition, the registered member can use the Dharma Q&A session which the member can ask any Dharma and there will be one of the admin team in the temple will answer it and post it in the web board.
3. The administrator can define the temple's activity. There are two type of activity which are the annual activity and the other activity. The annual activity is the activity which will happen every years. While the other activity is the activity which the temple organize by demand. In each activity, the administrator should define the date, time, and place of each activity, the daily schedule. The activity will be shown on the website and also e-mail to the member.
4. The link which the user can click to like the Facebook page of the temple. The face book page should be edited by the administrator.
5. Other requirements which you receive from the temples.

The web application will be in Thai (or Chinese/English for the Chinese students). The graphic contents are provided for you after the midterm exam.

The grading criteria are as followed:

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| 1. From the two time project submission | 60 % |
| 2. The web page layout from the co-project | 20 % |
| 3. The satisfaction of the user | 20 % |

The project submission

For SE232 there are 2 submissions which are

1. The User requirement and design part
2. The test cases and documents

In the user requirements and design part, the students must provide the user requirements which they analyze from the stake holder. The other artifacts such as the software requirement specification, class diagram, sequence diagram, User interface design, and the traceability metric must be submitted and presented.

In the test case and document part, the students have to provide the test script, test plan, and the automated test execution source code. In addition, the user manual is also required (this must be in Thai and English version), the demonstration of your program is also required. In addition, the acceptance test result from your stake holder is also required.

The application must be hosted using the Azure service. You will get the voucher to access Azure after you submit the group member to me. The usage of the version controls and the issue tracking is also part of the marking criteria.

The marking criteria will provide to you later, and the important date is as followed:

28 February 2015	Submit your group members. The students send e-mail to the e-mail chartchai.d@cmu.ac.th . The email should consist of the group name, group logo, and the name and student id of the team members. After submit the group member, you will receive the voucher to access the Azure service.
Second week of March	The temple announcement, the temple and the basic user interface design is given.
The week before the Songkran Holiday	The project first submission (the date and time will be announced)
The first week of May	The project second submission (the date and time will be announced)

All the plagiarism are considered to be 0 marks.